SYLVANIA engineering data service

SYLVANIA 6SL7WGT

MECHANICAL DATA

Bulb	T-9
Base[1]	Intermediate Shell Octal, Low Loss Phenolic 8-Pin
Basing	8BD
Cathode	Coated Unipotential
Mounting Position	Any

RATINGS

Shock (Intermittent Service-Abs. Max.)	450 g
Vibration (Continuous Service-Design Center)	2.5 g
Mechanical Resonance	None Below 100 cps

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage (Avg.)	6.3	Volts
Heater Voltage (Abs. Max.)	7.0	Volts
Heater Voltage (Design Center)	6.3	Volts
Heater Current (Avg.)[2]	300	Ma
Heater Current (Max.)	325	Ma
Heater Current (Min.)[2]	275	Ma

RATINGS

	Absolute Max.	Design Center	
Plate Voltage	275	250	Volts
Plate Dissipation (Each Plate)	1.1	1.0	Watts
Positive Grid Voltage		0	Volts
Heater-Cathode Voltage	100	90	Volts

CHARACTERISTICS AND TYPICAL OPERATION

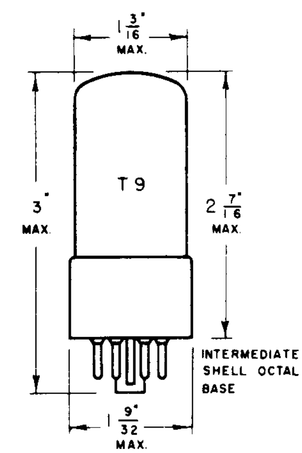
Class A Amplifier	Min.[2]	Avg.	Max.[2]	
Plate Voltage		250		Volts
Grid Voltage		−2		Volts
Cathode Bias Resistor		870		Ohms
Plate Current	1.4	2.3	3.2	Ma
Transconductance	1200	1600	2000	μmhos
Amplification Factor	55	70	85	
Plate Current When E_c = −5.75 Volts			25	μa
Heater-Cathode Leakage at ±100 Volts			20	μa
Grid Current			1.0	μa

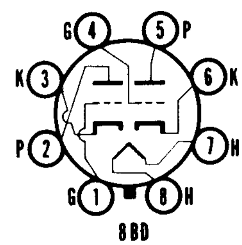
NOTES:

1. *Maximum base dielectric loss factor is 0.1. Reference: ASTM Designation D-150-47T.*
2. *Limits given here are the extremes which may be found in production.*

QUICK REFERENCE DATA

Rugged high mu twin triode designed for service as a resistance coupled amplifier or phase inverter in applications requiring resistance to shock and vibration.



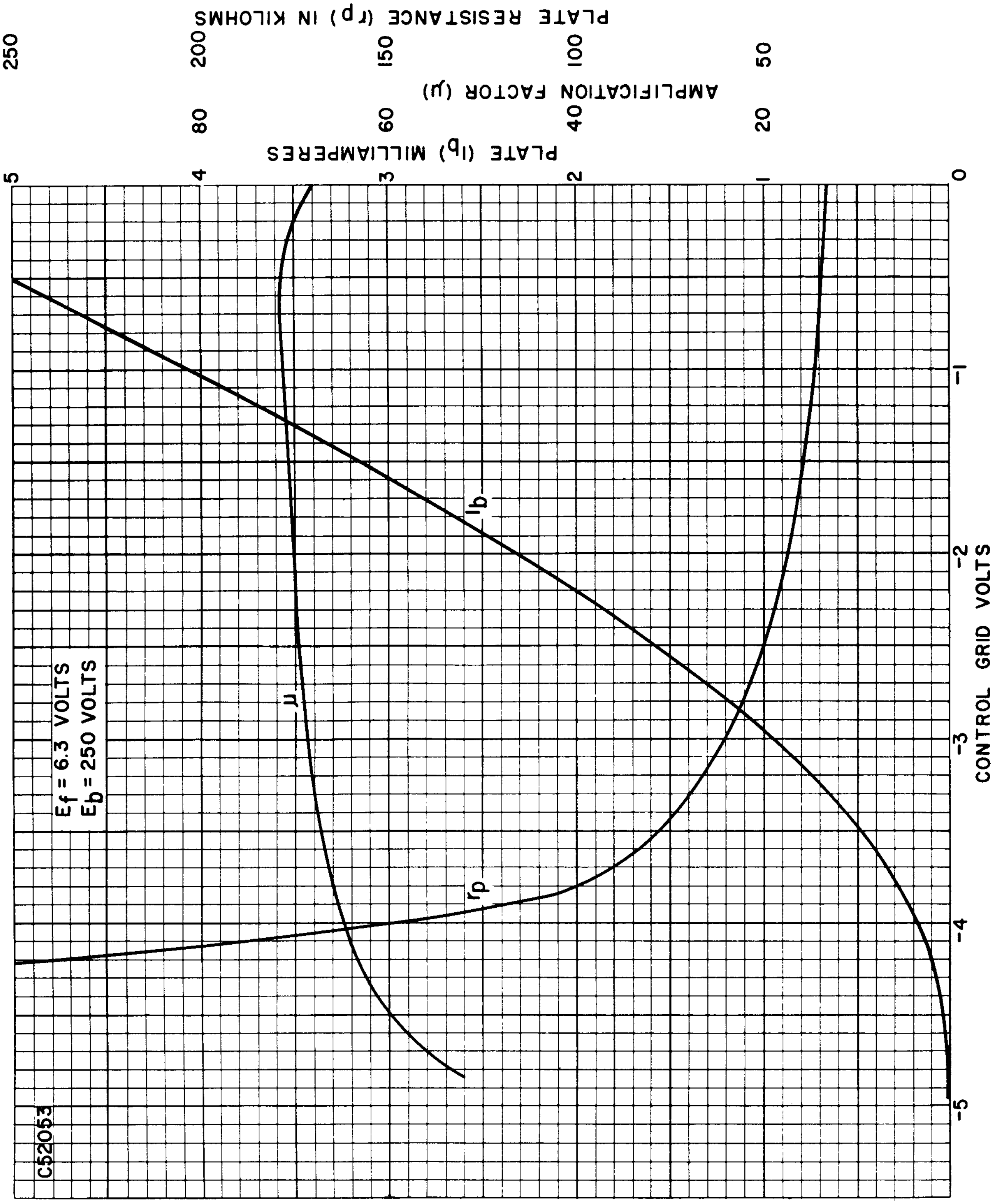


SYLVANIA ELECTRIC PRODUCTS INC.

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AVERAGE TRANSFER CHARACTERISTICS



SYLVANIA

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AVERAGE PLATE CHARACTERISTICS

